

Effect of the Method of Preparing Platinized B Carbon on Its Activity in the C₅-Dehydrocyclization of Paraffinic Hydrocarbons and Dehydrogenation of Cyclohexane Hydrocarbons, Part I. Effect of the Concentration of Platinum and the Temperature at Which the Catalyst Was Prepared, by A. I. Liberman, K. H. Schnabel, 8 pp.

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A Manostat and Receiver for Vacuum Distillation in
Columns, by M. I. Rosengart, A. L. Liberman and
D. M. Dubinin, 4 pp.

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Synthesis of triethylcarbamate and p-ethylpentanoate
From Ethylmagnesium Bromide and Carbon Dioxide, by
A. L. Liberman, T. V. Lapshina, B. A. Kazanskiy,
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The Rule of Auzers-Skita and the Properties of
Stereoisomeric 1,4-Diisopropylcyclohexanes, by A. L.
Lieberman, T. V. Lapshina, and B. A. Kazanaky, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,
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Influence of Method of Preparation of Platinized Carbon on Its Activity in the Reactions of C₅-Dehydrocyclization of Paraffins and Dehydrogenation of Cyclohexane Hydrocarbons. II. Influence of Platinum Reduction Conditions, by A. I. Liberman, K. Kh. Shmabel', et al, 5 pp.

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Stereoisomeric 1-Methyl-2-Alkylcyclohexanes,
by A. L. Liberman, I. M. Kuznetsova, ~~22222~~
S. I. Tyun'kina, B. A. Kazanskiy, 4 pp.

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Catalytic Cyclization of n-Pentane and n-Hexane with
the Formation of a Five-membered Ring, by A. L.
Liberman, G. V. Loza, Chzhan Min-Man', B. A. Kuzanskiy,
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Catalytic Cyclization of Some Alkylbenzenes Into
Indan and Its Homologs, by A. L. Liberman, O. V.
Bragin, B. A. Kazanskiy, 9 pp.

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No 5, 1959, pp 879-887.

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On the Question of the Spectral Method of
Establishing the Number and Position of the
Side Chains in Molecules of Benzene Homologs,
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A. L. Liberman, O. S. Pakhomova, M. A. Pryun-
ishnikova, 7 pp.

RUSSIAN, per, Dok Ak Nauk, USSR, Vol CXVI,
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PREPARATION OF 1,1-DIMETHYLCYCLOHEXENES,
1,1-DIMETHYLCYCLOHEXANE AND OF 3,3-DI-
METHYL-1-CYCLOHEXANOL FROM DIMEDONE.
[1961] 5p. 10 refs.

Order from OTS or SLA \$1.10

61-20110

Condensed trans. of Akademiya Nauk SSSR. Otdelenie
Khimicheskikh Nauk. Izvestiya, 1946, p. 77-82.

DESCRIPTORS: *Cyclohexenes, *Cyclohexanols,
*Cyclohexanes, Hexanes, Methyl radicals, Synthesis,
Hydantoins, Pentanones, Hydrogenation.

Hydrogenation of 5,5-dimethyl-1,3-cyclohexanedione
(dimedone) in the presence of platinized carbon
activated with chloroplatinic acid in organic solvents,
such as ether, dioxane, acetic acid, yields 10-20% of
1,1-dimethylcyclohexane, and 40-60% of 3,3-di-
(Chemistry--Organic, TT, v. 7, no. 7) (over)

61-20110

I. Liberman, A. L.
II. Kazanski, B. A.

197190

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The Catalytic Cyclization of n-Propylbenzene to Indane, by A. L. Liberman, et al.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CXI, No 5, 1956, pp 1956, pp 1039-1041.

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SLD-RTS
(no. 100, 1000)

Determination of the Composition of the Individual Hydrocarbons of Gasolines by the Combination Method. Communication 5. Gasoline from Ezba Petroleum, by B. A. Kazansky, G. S. Landsberg, A. F. Flate, P. A. Bazhulin, A. L. Liberman, E. A. Mikhailova, N. M. Sushchinsky, G. A. Tarasova, S. A. Ukholin, S. V. Voronko, 12 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, Sep-Oct 1954, pp 865-877. CIA C 39501.

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Determination of the Individual Hydrocarbon Composition of Gasolines by the Combination Method. Communication 4. Gasoline From Tuimazin Petroleum, by H. A. Kazansky, G. S. Landsberg, A. F. Plate, P. A. Bashulin, E. A. Mikhaylova, A. L. Liberman, M. M. Sushchinsky, G. A. Tarasova, S. A. Ukholin, S. V. Voronko, 10 pp.

Full translation.

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Dependence of C₅-Dehydrocyclization Rate of Paraffins
and Alkylbenzenes on Contact Time and Temperature,
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Kazanskiy, 4 pp.

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1959, pp 578-581.

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Catalytic Cyclization of n-Octane With Formation
of Cyclopentane Homologs, by B. A. Kazanskiy,
A. L. Liberman, G. V. Loza, et al, 7 pp.

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No 6, 1959, pp 1071-1078.

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Determination of the Individual Hydrocarbon
Composition of Gasolines by the Combination
Method. Communication 6. Karachukhursk
Gasoline by B. A. Kazansky, G. S. Landsburg,
A. F. Plate, A. L. Liberman, E. A. Mikhailova,
Kh. E. Sterin, T. F. Bulanova, G. A. Tarasova,
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Full translation.

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On the Concurrent Formation of Five- and Six-Membered Rings From Paraffins (C₅- and C₆-Dehydrocyclization) Over Platinized Carbon, by B. A. Kazanskiy, A. L. Liberman, G. V. Loza, T. V. Vasina, 4 pp.

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Analysis of the Aromatic Components of Ligroin by
Raman Spectroscopy, by B. A. Kazanski, G. S. Lands-
berg, V. T. Aleksanyan, T. F. Bulanova, A. L. Liber-
man, E. A. Mikhaïlova, A. F. Plate, Kh. E. Sterin,
S. A. Ukholin, 3¹ pp.

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Columbia Tech Tr

Scientific - Physics 31,724 Feb 56 CTS/NEK

Catalytic Cyclization of n-Propylbenzene to Indane, by
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The Limited Applicability of the Auwers-Skita Rule
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Kazanskiy, A. L. Liberman, N. I. Tyunkina, I. M.
Kuznetsova, 4 pp.

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Optical Method of Investigation ^{in 4} Hydrocarbons.
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by P. A. Bazhulin, A. I. Sokolovskaya, N. A.
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Liberman, A. L. and Kazanskii, B. A.
DIRECT SYNTHESIS OF OLEFINS WITH A QUATER-
NARY CARBON ATOM WITH THE AID OF ORGAN-
OMAGNESIUM COMPOUNDS. [1961] 4p. 17 refs.
Order from OTS or SLA \$1.10 61-16914

Trans. of Akademiya Nauk SSSR. Comptes Rendus
(Doklady) de l'Academie des Sciences de l'U.R.S.S.,
1943, v. 40, p. 402-404.

DESCRIPTORS: Ethylenes, Synthesis, Grignard re-
actions, *Hexanes, Methyl radicals, *Cyclohexenes,
Magnesium compounds, Chlorides.

On the example of the synthesis of 4,4-dimethyl-1-
hexene from tertiary amylmagnesium chloride and
allyl chloride it was shown that the latter can,
similarly to allyl bromide and allyl iodide, be em-
ployed for direct preparation of olefins with a tertiary
carbon atom by the methods of Grignard and Wurtz.

(Chemistry--Organic, TT. v. 6, no. 7) (over)

61-16914

I. Liberman, A. L.
II. Kazanskii, B. A.

Office of Technical Services

Liberman, A. L., Lukina, M. Yu. and others.
SYNTHESIS OF PARAFFINS CONTAINING A QUATERNARY CARBON ATOM WITH THE AID OF ZINC ALKYL'S. [1961] 4p. 14 refs.
Order from OTS or SLA \$1.10

61-16975

Trans. of Akademiya Nauk SSSR. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U. R. S. S., 1943, v. 40, no. 2 [p. 70-72].

DESCRIPTORS: *Zinc compounds, Alkyl radicals, *Hydrocarbons, Synthesis, *Hexanes.

Of the more frequently employed methods of synthesis of neoparaffins interaction of tertiary alkyl magnesium halide with allyl halide, followed by hydrogenation of the olefin formed, and interaction of tertiary alkyl halides with zinc dialkyls are the most advantageous. The last mentioned method may be improved by employment of zinc dialkyls prepared from a mixture of (Chemistry--Organic, TT, v. 6, no. 7) (over)

61-16975

I. Liberman, A. L.
II. Lukina, M. Yu.

Office of Technical Services

Determination of the Individual Hydrocarbon
Composition of Gasolines by the Combination Method.
Communication 3. Surakhan Gasolines, by B. A.
Kazansky, G. S. Landsberg, A. F. Flata, A. I.
Liberman, E. A. Mikhaylova, P. A. Bazhulin, M. I.
Batuev, S. A. Ucholin, T. F. Bulanova, M. A.
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Termination of the Individual Hydrocarbon
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Communication 2. Two Gasolines From Kazanbulak
Petroleum, by B. A. Kazansky, A. P. Plate,
A. A. Mikhailova, A. L. Liberman, M. I. Butuev,
F. Bulanova, G. A. Tarulova, 10 pp.

USSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, 1954, pp 278-291. CIA ID 151309

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May 55 CTS/DEX

Preparation of 1,2-Dialkylcycloalkanes.
Synthesis of the Stereoisomeric 1-Butyl-2-
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Liberman, N. A. Monna, 7 pp.

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Nauk, No 4, USSR, 1953, pp. 689-696.

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Report No 8-Raman Spectra of Certain Aromatic Hydrocarbons, by V. T. Aleksanyan, Kh. E. Stepin, A. L. Liberman, E. A. Mikhailova, M. A. Pryanishnikova, B. A. Lazanskiy, 9 pp.

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Physical Properties of Some Isodurene Homologs, by
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Cyclization of 3-Ethylpentane to Ethylcyclopentane
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RUSSIAN, bimo per, Is Ak Nauk SSSR, Otdel Khim Nauk,
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ACSI, H-4681

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JPRS 12596

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L. Kh. Liberman

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